Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	07/02/2015 12:59 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/20/2015 11:37 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124840	-1	2.85	124598	2.73
Blue	F	SSC	125000	123829	-1	3.28	124675	2.98
Blue	E	FITC	17998	17399	-4	2.46	984	8.55
Blue	D	PE	23234	22487	-4	2.13	1014	7.78
Blue	B	PerCP-Cy5-5	69571	68067	-3	2.80	1793	12.91
Blue	A	PE-Cy7	77815	77979	0	3.85	1020	24.22
Red	C	APC	65936	65365	-1	2.56	3696	7.94
Red	A	APC-Cy7	100669	99118	-2	2.64	1956	7.80
Violet	B	V450	10405	9878	-6	4.39	614	8.64
Violet	A	V500	47250	45918	-3	4.17	2596	6.26

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19371	12.75	600	21	N/A	N/A	Pass
Blue	F	SSC	61810	1.88	510	21	N/A	N/A	Pass
Blue	E	FITC	106	32.95	526	11	0.0270	24	Pass
Blue	D	PE	209	23.45	519	12	0.1865	125	Pass
Blue	B	PerCP-Cy5-5	215	37.47	604	14	0.0115	0	Pass
Blue	A	PE-Cy7	76	93.52	662	16	0.0157	5	Pass
Red	C	APC	342	25.83	584	6	0.0222	15	Pass
Red	A	APC-Cy7	122	37.40	564	5	0.0050	759	Pass
Violet	B	V450	65	43.99	468	18	0.0457	2048	Pass
Violet	A	V500	169	21.99	509	21	0.0158	394	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	07/02/2015 12:59 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/20/2015 11:37 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.64	47.70 - 71.54	N/A	N/A	-31.59	-31.39	0.72
Blue	20.47	16.35 - 24.53	1.24	1.00 - 1.50	0.00	0.00	1.18
Red	15.89	13.07 - 19.61	N/A	N/A	31.83	32.15	1.11

Window Extension: 7.00
FSC Area Scaling Factor: 0.84

Threshold

Threshold (FSC): 12854

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments